



SEQUENCE LISTING

<110> Yoshihiro OHMIYA, EMIKO ASHIDAKA and Seiji ITO

<120> Secreted or membrane-binding chimeric protein

<130> 200521/US

<160> 10

<170> PatentIn version 3.1

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<213> Artificial Sequence

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<223> fused gene consisting of Vargula Luciferase, yellow fluorescence protein from Aequorea and a DNA coding for spacer peptide

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Asn	Phe	Lys	Gln	Leu	Leu	Val	Val	His	Ile	Arg	Asp	Pro	Phe	Asp	Gly		
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Lys	Thr	Cys	Gly	Ile	Cys	Gly	Asn	Tyr	Asn	Gln	Asp	Ser	Thr	Asp	Asp		
		450				455					460						
ttc	ttt	gac	gca	gaa	gga	gca	tgc	gct	cta	acc	ccc	aac	ccc	cca	gga		1440
Phe	Phe	Asp	Ala	Glu	Gly	Ala	Cys	Ala	Leu	Thr	Pro	Asn	Pro	Pro	Gly		
		465			470					475					480		
tgt	aca	gag	gaa	cag	aaa	cca	gaa	gct	gag	cga	ctt	tgc	aat	aat	ctc		1488
Cys	Thr	Glu	Glu	Gln	Lys	Pro	Glu	Ala	Glu	Arg	Leu	Cys	Asn	Asn	Leu		
				485					490					495			
ttt	gat	tct	tct	atc	gac	gag	aaa	tgt	aat	gtc	tgc	tac	aag	cct	gac		1536
Phe	Asp	Ser	Ser	Ile	Asp	Glu	Lys	Cys	Asn	Val	Cys	Tyr	Lys	Pro	Asp		
			500					505					510				
cgg	att	gcc	cga	tgt	atg	tac	gag	tat	tgc	ctg	agg	gga	caa	caa	gga		1584
Arg	Ile	Ala	Arg	Cys	Met	Tyr	Glu	Tyr	Cys	Leu	Arg	Gly	Gln	Gln	Gly		
		515					520					525					
ttt	tgt	gac	cat	gct	tgg	gag	ttc	aag	aaa	gaa	tgc	tac	ata	aaa	cat		1632
Phe	Cys	Asp	His	Ala	Trp	Glu	Phe	Lys	Lys	Glu	Cys	Tyr	Ile	Lys	His		
		530				535					540						
gga	gac	act	cta	gaa	gta	cca	cct	gaa	tgt	caa	gga	tcc	ctg	gtt	ggc		1680
Gly	Asp	Thr	Leu	Glu	Val	Pro	Pro	Glu	Cys	Gln	Gly	Ser	Leu	Val	Gly		
		545			550					555					560		
caa	ctt	ccg	ggc	cga	ctt	ccg	ggc	ccc	ggt	gaa	gcc	ccc	gaa	ccg	ctt		1728
Gln	Leu	Pro	Gly	Arg	Leu	Pro	Gly	Pro	Gly	Glu	Ala	Pro	Glu	Pro	Leu		
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ctg	cag	ctg	ttt	ctg	ctc	aat	ctc	ccc	cac	ctc	ctc	cag	gcc	ggg	ctc		1776
Leu	Gln	Leu	Phe	Leu	Leu	Asn	Leu	Pro	His	Leu	Leu	Gln	Ala	Gly	Leu		
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tgt	gga	tcc	gtg	agc	aag	ggc	gag	gag	ctg	ttc	acc	ggg	gtg	gtg	ccc		1824
Cys	Gly	Ser	Val	Ser	Lys	Gly	Glu	Glu	Leu	Phe	Thr	Gly	Val	Val	Pro		
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atc	ctg	gtc	gag	ctg	gac	ggc	gac	gta	aac	ggc	cac	aag	ttc	agc	gtg		1872
Ile	Leu	Val	Glu	Leu	Asp	Gly	Asp	Val	Asn	Gly	His	Lys	Phe	Ser	Val		
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tcc	ggc	gag	ggc	gag	ggc	gat	gcc	acc	tac	ggc	aag	ctg	acc	ctg	aag		1920
Ser	Gly	Glu	Gly	Glu	Gly	Asp	Ala	Thr	Tyr	Gly	Lys	Leu	Thr	Leu	Lys		
		625			630					635					640		
ttc	atc	tgc	acc	acc	ggc	aag	ctg	ccc	gtg	ccc	tgg	ccc	acc	ctc	gtg		1968
Phe	Ile	Cys	Thr	Thr	Gly	Lys	Leu	Pro	Val	Pro	Trp	Pro	Thr	Leu	Val		
				645				650						655			
acc	acc	ttc	ggc	tac	ggc	ctg	cag	tgc	ttc	gcc	cgc	tac	ccc	gac	cac		2016
Thr	Thr	Phe	Gly	Tyr	Gly	Leu	Gln	Cys	Phe	Ala	Arg	Tyr	Pro	Asp	His		

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cag gag cgc acc atc ttc ttc aag gac gac ggc aac tac aag acc cgc Gln Glu Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg 690 695 700			2112
gcc gag gtg aag ttc gag ggc gac acc ctg gtg aac cgc atc gag ctg Ala Glu Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu 705 710 715 720			2160
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gag tac aac tac aac agc cac aac gtc tat atc atg gcc gac aag cag Glu Tyr Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln 740 745 750			2256
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gcc ctg agc aaa gac ccc aac gag aag cgc gat cac atg gtc ctg ctg Ala Leu Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu 805 810 815			2448
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